

North Central Missouri Water Supply Lake

RESOP Run:

Demand = Optimized

Demand = 5.75 MGD

Demand = 6.75 MGD

June 14, 2004

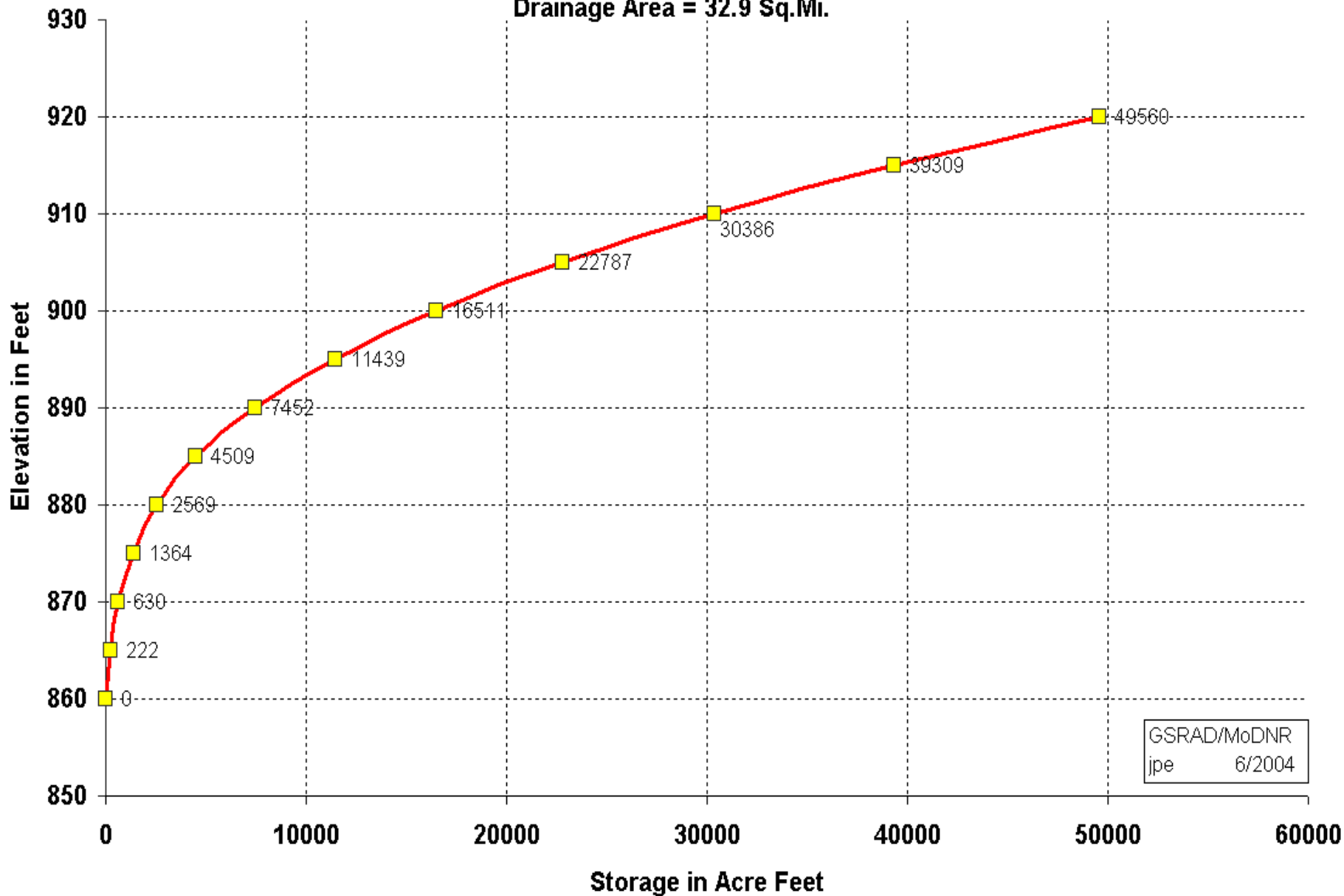


Missouri Department of
Natural Resources
Geological Survey and Resource Assessment Division

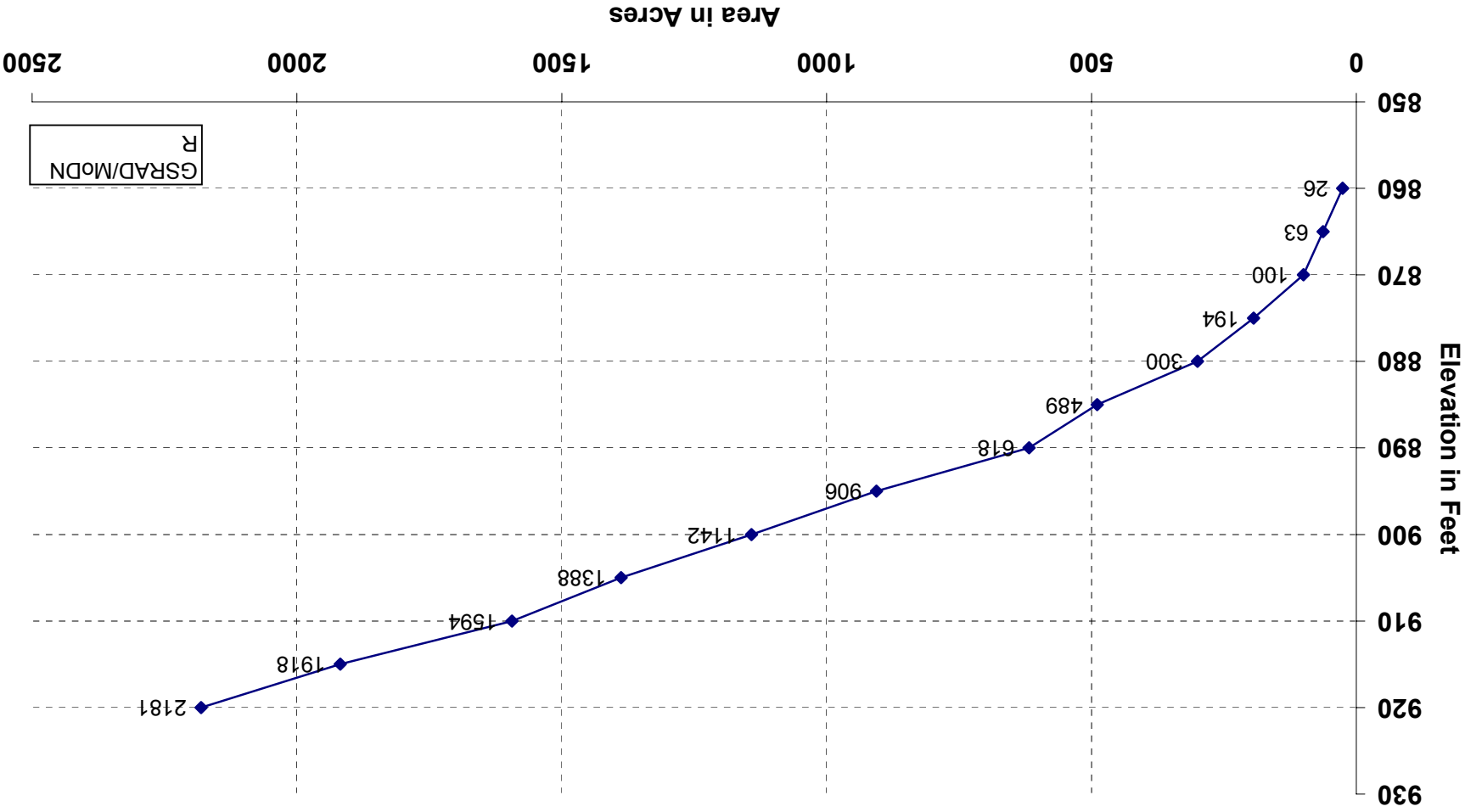
North Central Missouri Water Supply

East Locust Site

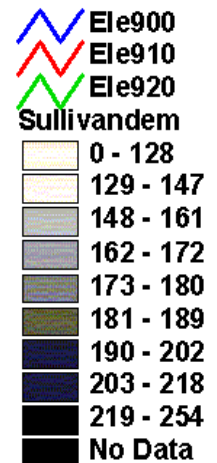
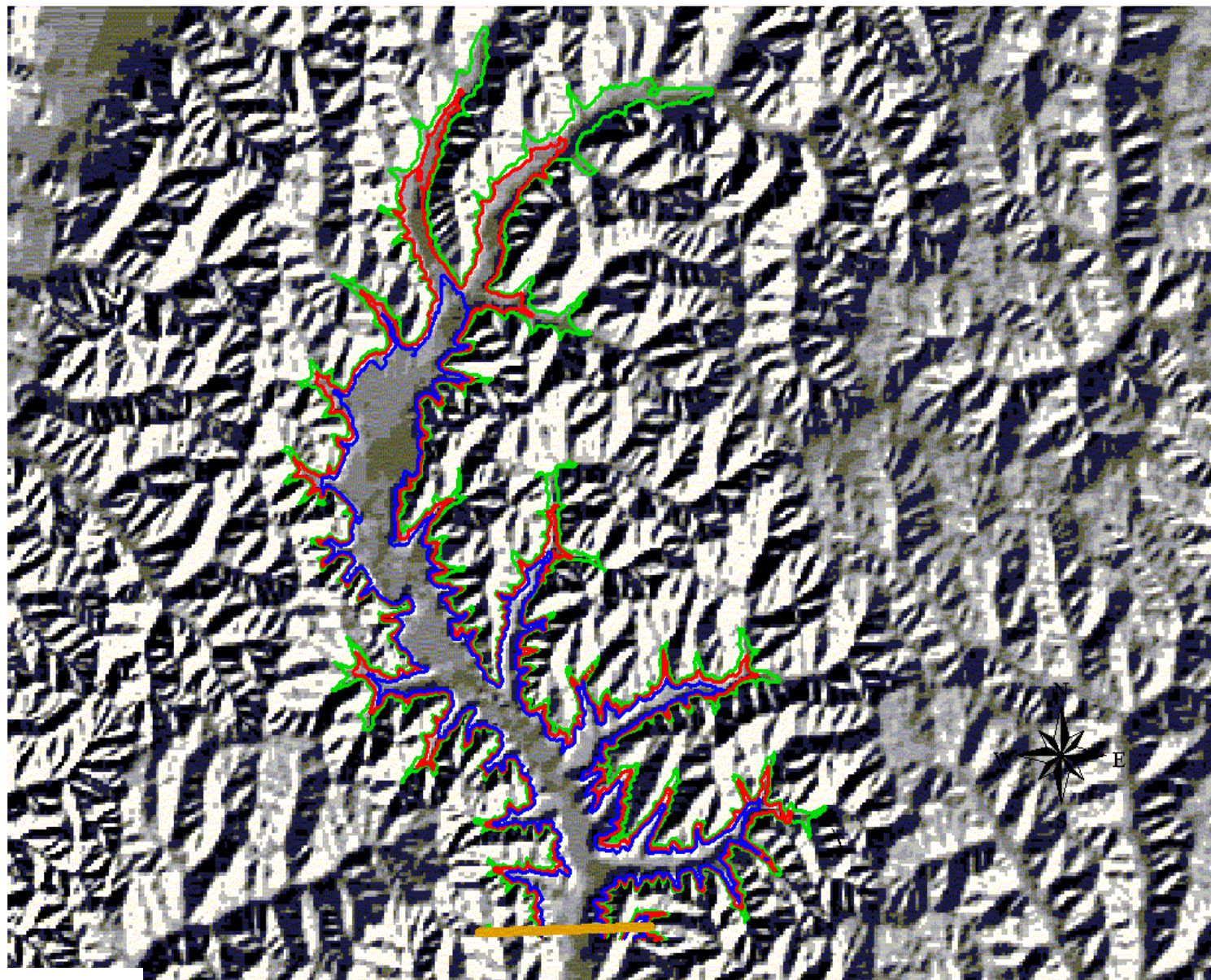
Drainage Area = 32.9 Sq.Mi.



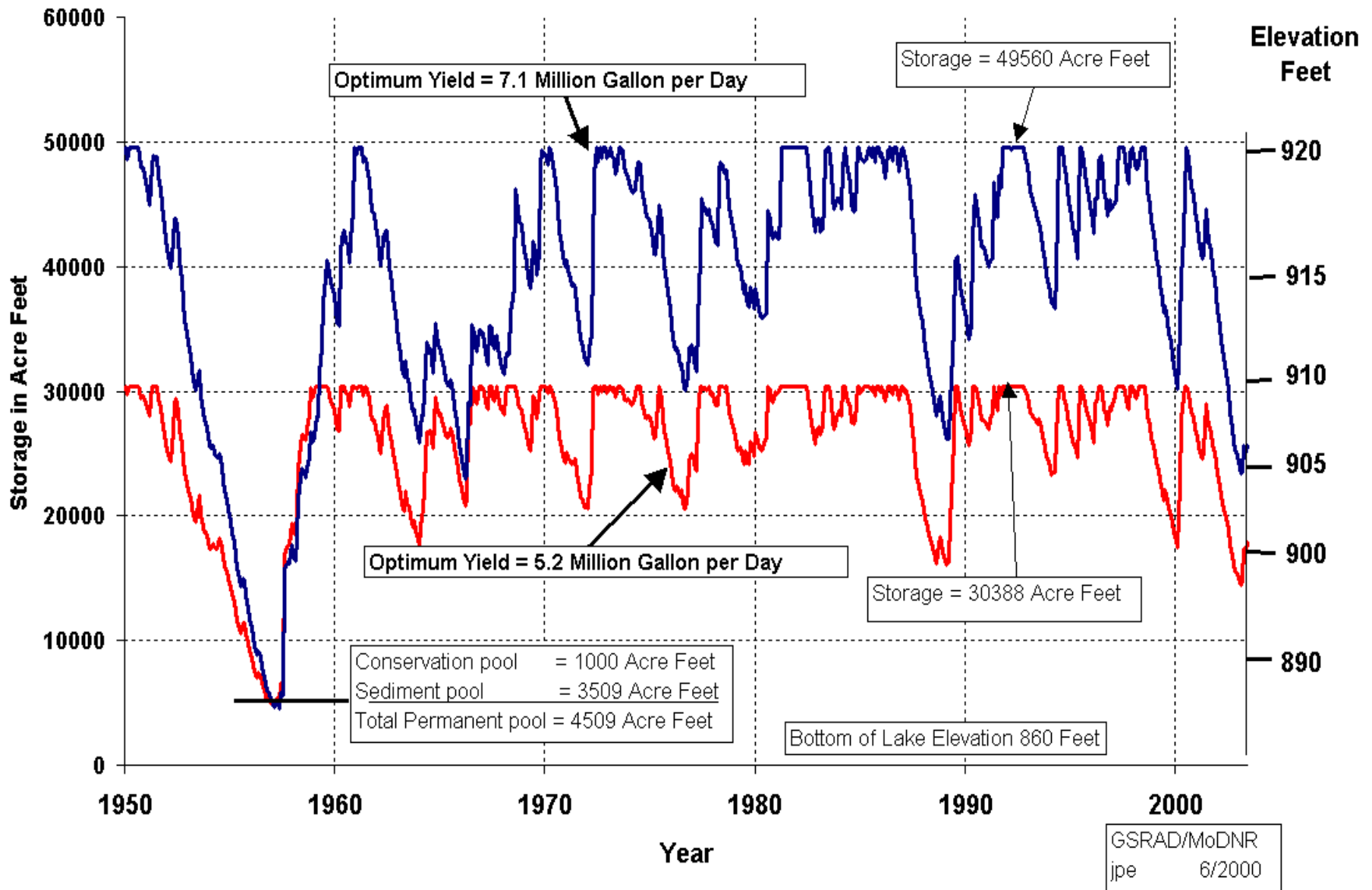
**North Central Missouri Water Supply
East Locust Creek
Drainage Area 32.9 Sq. Mi.**



NCM New Lake at Various Elevations



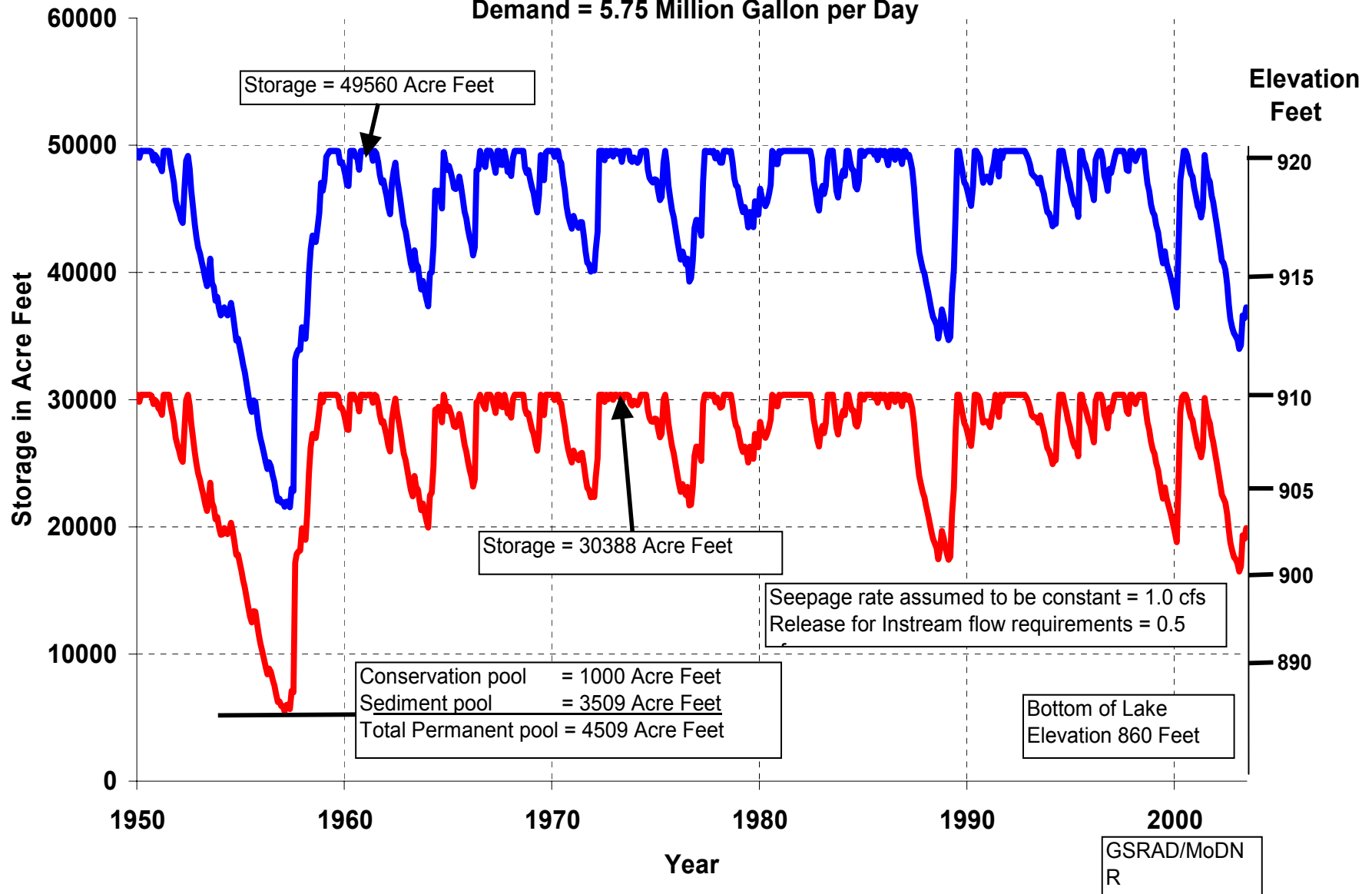
North Central Missouri Water Supply
Spillway Elevation 910 and 920 Feet
Optimum Yield Runs



North Central Missouri Water Supply

Spillway Elevations 910 and 920 Feet

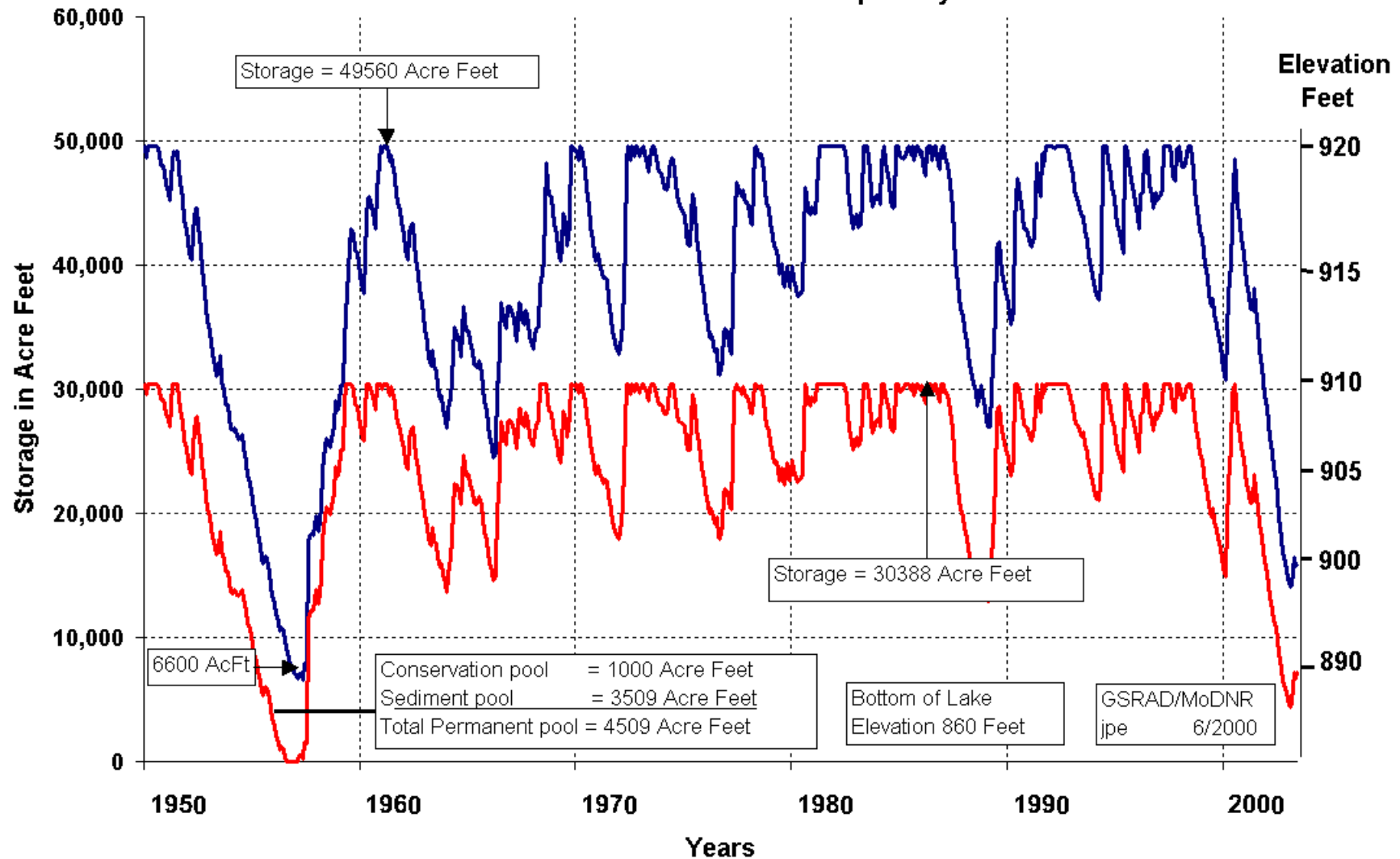
Demand = 5.75 Million Gallon per Day



North Central Missouri Water Supply District

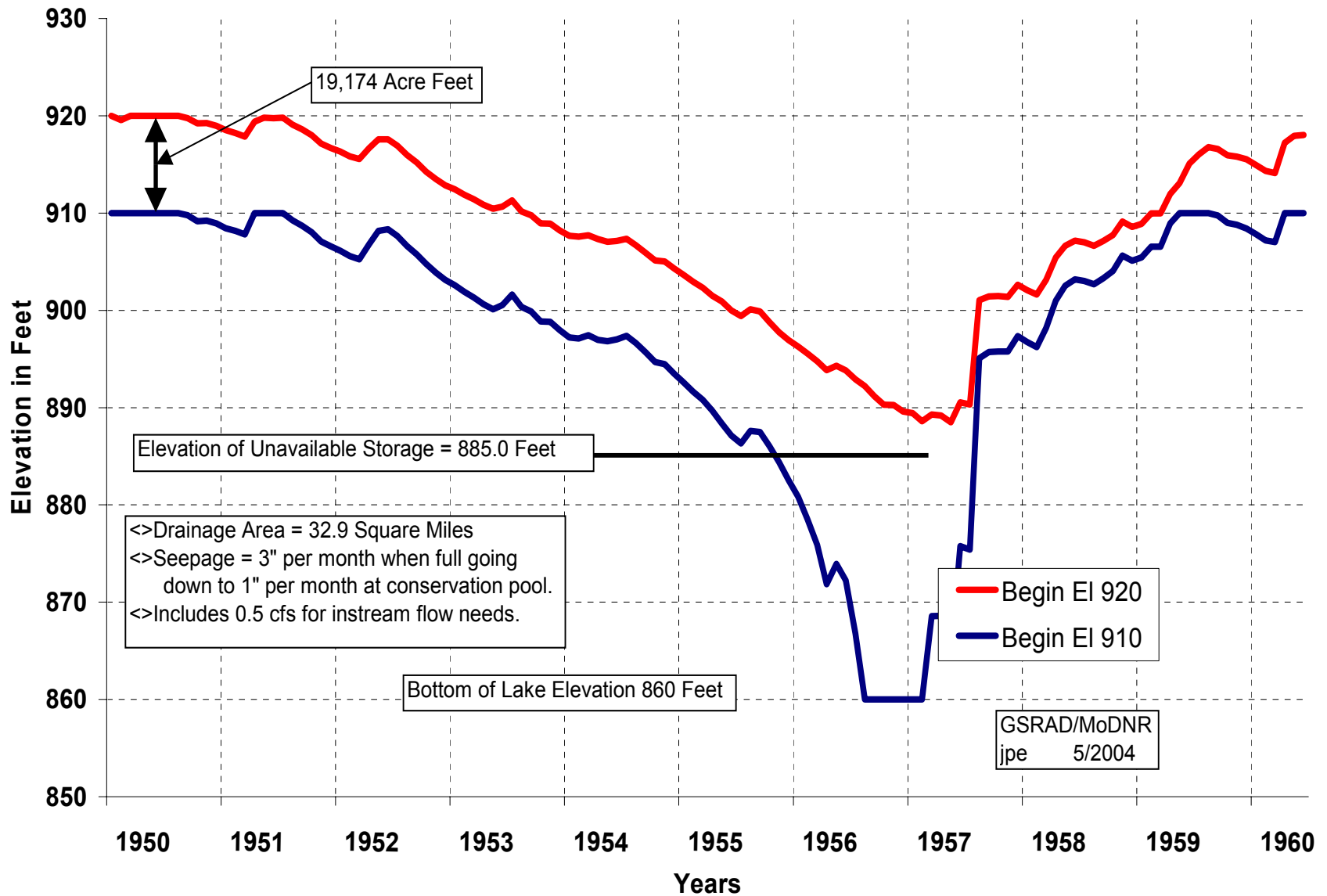
Spillway Elevations 910 and 920 Feet

Demand = 6.75 Million Gallon per Day

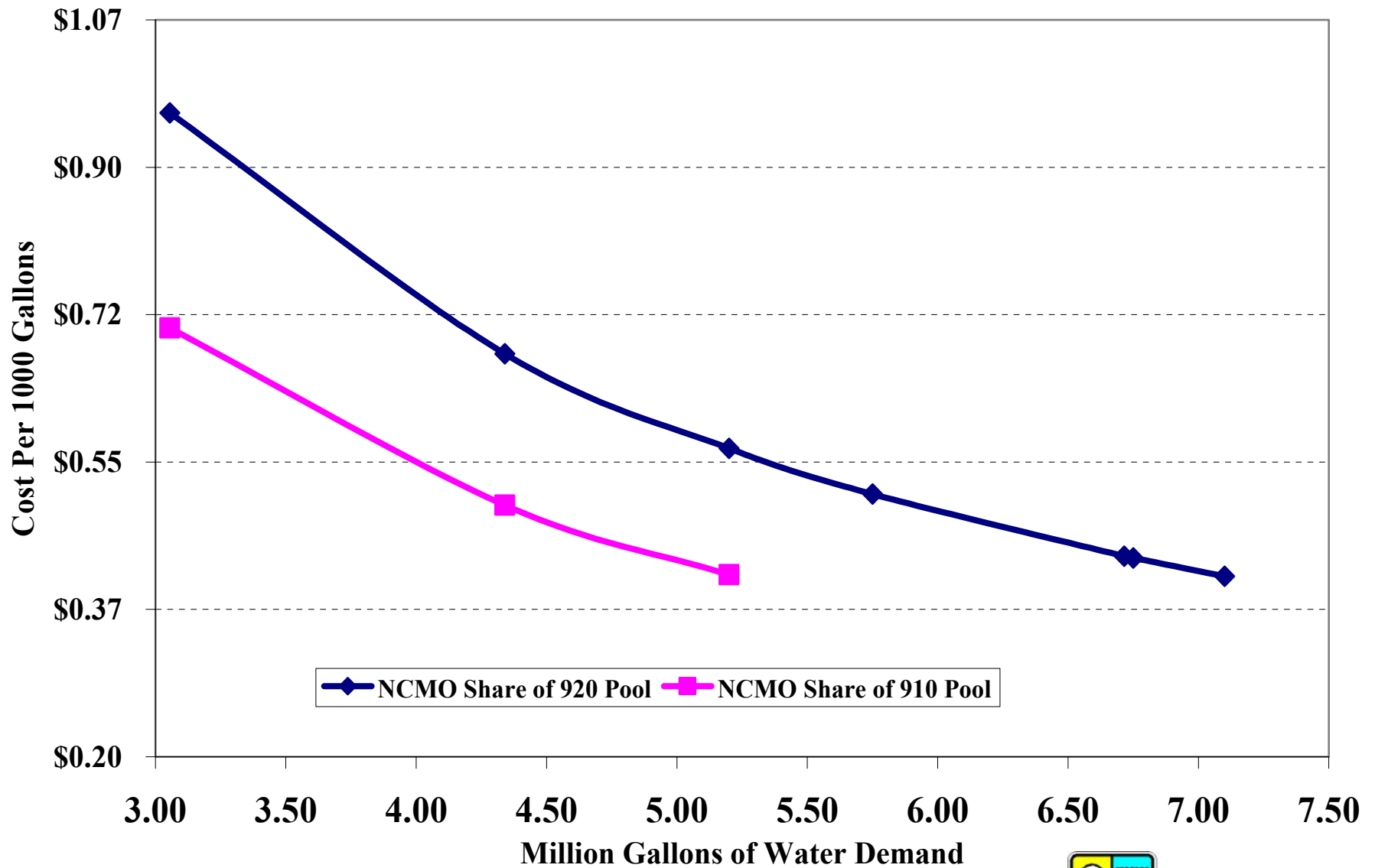


North Missouri Water Supply

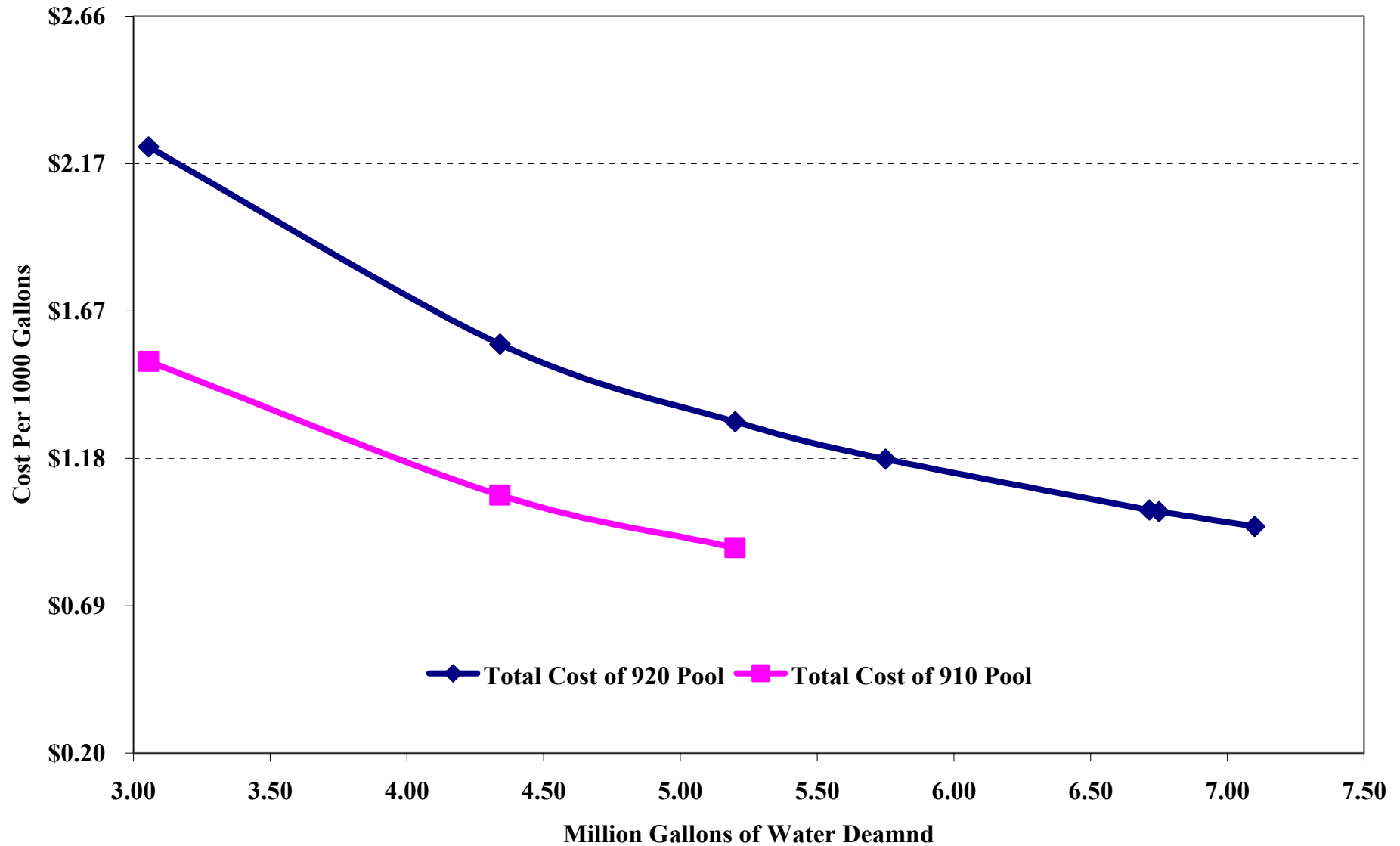
Demand = 6.75 MGD



North Central Missouri Water Supply Project: Daily Cost per Thousand Gallons of Raw Water



Notrh Central Missouri Water Supply Project: Daily Cost per Thousand Gallons of Raw Water



	Estimate for 920' Lake		Estimate for 910' Lake	
	Total Cost w/o a grant	Local Share	Total Cost w/o a grant	Local Share
Loan amount	\$31,552,368.00	\$13,652,380.00	\$21,392,500.00	\$10,043,125.00
interest rate	4.75%	4.75%	4.75%	4.75%
number of years	20 years	20 years	20 years	20 years
Loan and interest	\$49,569,064.99	\$21,448,016.57	\$33,607,817.42	\$15,777,843.23
Annual Payment	\$2,478,453.25	\$1,072,400.80	\$1,680,390.87	\$788,892.16
	920 ft Elevation (\$31.55 million)		910 ft Elevation (\$21.39 million)	
Water Demand	Total Cost	Local Share	Total Cost	Local Share
1000 Gal/Day	Cost per 1000 Gallon of Water	Cost per 1000 Gallon of Water	Cost per 1000 Gallon of Water	Cost per 1000 Gallon of Water
3,055	\$2.22	\$0.96	\$1.51	\$0.71
4,340	\$1.56	\$0.68	\$1.06	\$0.50
5,200	\$1.30	\$0.56	\$0.88	\$0.42
5,750	\$1.18	\$0.51	\$0.80	\$0.38
6,715	\$1.01	\$0.44	\$0.69	\$0.32
6,750	\$1.01	\$0.43	\$0.68	\$0.32
7,100	\$0.96	\$0.41	\$0.65	\$0.30